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1647

## RAW SEQUENCE LISTING

DATE: 06/10/2002

PATENT APPLICATION: US/09/115,832C

TIME: 16:23:27

Input Set : A:\PF399.ST25.txt

Output Set: N:\CRF3\06102002\I115832C.raw

3 <110> APPLICANT: Ebner et al.  
 5 <120> TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING INTERLEUKIN-20  
 7 <130> FILE REFERENCE: PF399  
 9 <140> CURRENT APPLICATION NUMBER: US 09/115,832C  
 10 <141> CURRENT FILING DATE: 1998-07-15  
 12 <150> PRIOR APPLICATION NUMBER: US 60/052,870  
 13 <151> PRIOR FILING DATE: 1997-07-16  
 15 <150> PRIOR APPLICATION NUMBER: US 60/055,952  
 16 <151> PRIOR FILING DATE: 1997-08-18  
 18 <150> PRIOR APPLICATION NUMBER: US 60/060,140  
 19 <151> PRIOR FILING DATE: 1997-09-26  
 21 <160> NUMBER OF SEQ ID NOS: 11  
 23 <170> SOFTWARE: PatentIn version 3.1  
 25 <210> SEQ ID NO: 1  
 26 <211> LENGTH: 705  
 27 <212> TYPE: DNA  
 28 <213> ORGANISM: Homo sapiens  
 30 <220> FEATURE:  
 31 <221> NAME/KEY: CDS  
 32 <222> LOCATION: (45)..(587)  
 33 <223> OTHER INFORMATION:  
 36 <220> FEATURE:  
 37 <221> NAME/KEY: sig\_peptide  
 38 <222> LOCATION: (45)..(104)  
 39 <223> OTHER INFORMATION:  
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 43 <221> NAME/KEY: mat\_peptide  
 44 <222> LOCATION: (105)..(584)  
 45 <223> OTHER INFORMATION:  
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 50 Met Asp Trp Pro  
 51 -20  
 53 cac aac ctg ctg ttt ctt ctt acc att tcc atc ttc ctg ggg ctg ggc 104  
 54 His Asn Leu Leu Phe Leu Leu Thr Ile Ser Ile Phe Leu Gly Leu Gly  
 55 -15 -10 -5 -1  
 57 cag ccc agg agc ccc aaa agc aag agg aag ggg caa ggg cgg cct ggg 152  
 58 Gln Pro Arg Ser Pro Lys Ser Lys Arg Lys Gly Gln Gly Arg Pro Gly  
 59 1 5 10 15  
 61 ccc ctg gcc cct ggc cct cac cag gtg cca ctg gac ctg gtg tca cgg 200  
 62 Pro Leu Ala Pro Gly Pro His Gln Val Pro Leu Asp Leu Val Ser Arg  
 63 20 25 30  
 65 atg aaa ccg tat gcc cgc atg gag gag tat gag agg aac atc gag gag 248

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66 Met Lys Pro Tyr Ala Arg Met Glu Glu Tyr Glu Arg Asn Ile Glu Glu
67          35          40          45
69 atg gtg gcc cag ctg agg aac agc tca gag ctg gcc cag aga aag tgt      296
70 Met Val Ala Gln Leu Arg Asn Ser Ser Glu Leu Ala Gln Arg Lys Cys
71          50          55          60
73 gag gtc aac ttg cag ctg tgg atg tcc aac aag agg agc ctg tct ccc      344
74 Glu Val Asn Leu Gln Leu Trp Met Ser Asn Lys Arg Ser Leu Ser Pro
75 65          70          75          80
77 tgg ggc tac agc atc aac cac gac ccc agc cgt atc ccc gtg gac ctg      392
78 Trp Gly Tyr Ser Ile Asn His Asp Pro Ser Arg Ile Pro Val Asp Leu
79          85          90          95
81 ccg gag gca cgg tgc ctg tgt ctg ggc tgt gtg aac ccc ttc acc atg      440
82 Pro Glu Ala Arg Cys Leu Cys Leu Gly Cys Val Asn Pro Phe Thr Met
83          100          105          110
85 cag gag gac cgc agc atg gtg agc gtg ccg gtg ttc agc cag gtt cct      488
86 Gln Glu Asp Arg Ser Met Val Ser Val Pro Val Phe Ser Gln Val Pro
87          115          120          125
89 gtg cgc cgc cgc ctc tgc ccg cca ccg ccc cgc aca ggg cct tgc cgc      536
90 Val Arg Arg Arg Leu Cys Pro Pro Pro Pro Arg Thr Gly Pro Cys Arg
91          130          135          140
93 cag cgc gca gtc atg gag acc atc gct gtg ggc tgc acc tgc atc ttc      584
94 Gln Arg Ala Val Met Glu Thr Ile Ala Val Gly Cys Thr Cys Ile Phe
95 145          150          155          160
97 tgaattacct ggcccagaag ccaggccagc agcccgagac catcctcctt gcacctttgt      644
99 gccaaagaaag gcctatgaaa agtaaact gacttttgaa agcaaaaaaaaa aaaaaaaaaa      704
101 a      705
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105 <211> LENGTH: 180
106 <212> TYPE: PRT
107 <213> ORGANISM: Homo sapiens
109 <400> SEQUENCE: 2
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112 -20          -15          -10          -5
115 Leu Gly Leu Gly Gln Pro Arg Ser Pro Lys Ser Lys Arg Lys Gly Gln
116          -1 1          5          10
119 Gly Arg Pro Gly Pro Leu Ala Pro Gly Pro His Gln Val Pro Leu Asp
120          15          20          25
123 Leu Val Ser Arg Met Lys Pro Tyr Ala Arg Met Glu Glu Tyr Glu Arg
124          30          35          40
127 Asn Ile Glu Glu Met Val Ala Gln Leu Arg Asn Ser Ser Glu Leu Ala
128 45          50          55          60
131 Gln Arg Lys Cys Glu Val Asn Leu Gln Leu Trp Met Ser Asn Lys Arg
132          65          70          75
135 Ser Leu Ser Pro Trp Gly Tyr Ser Ile Asn His Asp Pro Ser Arg Ile
136          80          85          90
139 Pro Val Asp Leu Pro Glu Ala Arg Cys Leu Cys Leu Gly Cys Val Asn
140          95          100          105
143 Pro Phe Thr Met Gln Glu Asp Arg Ser Met Val Ser Val Pro Val Phe
144          110          115          120

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147 Ser Gln Val Pro Val Arg Arg Arg Leu Cys Pro Pro Pro Pro Arg Thr
148 125                      130                      135                      140
151 Gly Pro Cys Arg Gln Arg Ala Val Met Glu Thr Ile Ala Val Gly Cys
152                      145                      150                      155
155 Thr Cys Ile Phe
156                      160
159 <210> SEQ ID NO: 3
160 <211> LENGTH: 155
161 <212> TYPE: PRT
162 <213> ORGANISM: Homo sapiens
164 <400> SEQUENCE: 3
166 Met Thr Pro Gly Lys Thr Ser Leu Val Ser Leu Leu Leu Leu Leu Ser
167 1                      5                      10                      15
170 Leu Glu Ala Ile Val Lys Ala Gly Ile Thr Ile Pro Arg Asn Pro Gly
171                      20                      25                      30
174 Cys Pro Asn Ser Glu Asp Lys Asn Phe Pro Arg Thr Val Met Val Asn
175                      35                      40                      45
178 Leu Asn Ile His Asn Arg Asn Thr Asn Thr Asn Pro Lys Arg Ser Ser
179                      50                      55                      60
182 Asp Tyr Tyr Asn Arg Ser Thr Ser Pro Trp Asn Leu His Arg Asn Glu
183 65                      70                      75                      80
186 Asp Pro Glu Arg Tyr Pro Ser Val Ile Trp Glu Ala Lys Cys Arg His
187                      85                      90                      95
190 Leu Gly Cys Ile Asn Ala Asp Gly Asn Val Asp Tyr His Met Asn Ser
191                      100                     105                     110
194 Val Pro Ile Gln Gln Glu Ile Leu Val Leu Arg Arg Glu Pro Pro His
195                      115                     120                     125
198 Cys Pro Asn Ser Phe Arg Leu Glu Lys Ile Leu Val Ser Val Gly Cys
199                      130                     135                     140
202 Thr Cys Val Thr Pro Ile Val His His Val Ala
203 145                     150                     155
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207 <211> LENGTH: 498
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209 <213> ORGANISM: Homo sapiens
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212 <221> NAME/KEY: misc_feature
213 <222> LOCATION: (13)..(13)
214 <223> OTHER INFORMATION: n equals a, t, g, or c
217 <220> FEATURE:
218 <221> NAME/KEY: misc_feature
219 <222> LOCATION: (58)..(58)
220 <223> OTHER INFORMATION: n equals a, t, g, or c
223 <220> FEATURE:
224 <221> NAME/KEY: misc_feature
225 <222> LOCATION: (173)..(173)
226 <223> OTHER INFORMATION: n equals a, t, g, or c
229 <220> FEATURE:
230 <221> NAME/KEY: misc_feature

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Input Set : A:\PF399.ST25.txt

Output Set: N:\CRF3\06102002\I115832C.raw

231 <222> LOCATION: (179)..(179)  
232 <223> OTHER INFORMATION: n equals a, t, g, or c  
235 <220> FEATURE:  
236 <221> NAME/KEY: misc\_feature  
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238 <223> OTHER INFORMATION: n equals a, t, g, or c  
241 <220> FEATURE:  
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243 <222> LOCATION: (288)..(288)  
244 <223> OTHER INFORMATION: n equals a, t, g, or c  
247 <220> FEATURE:  
248 <221> NAME/KEY: misc\_feature  
249 <222> LOCATION: (312)..(312)  
250 <223> OTHER INFORMATION: n equals a, t, g, or c  
253 <220> FEATURE:  
254 <221> NAME/KEY: misc\_feature  
255 <222> LOCATION: (314)..(314)  
256 <223> OTHER INFORMATION: n equals a, t, g, or c  
259 <220> FEATURE:  
260 <221> NAME/KEY: misc\_feature  
261 <222> LOCATION: (323)..(323)  
262 <223> OTHER INFORMATION: n equals a, t, g, or c  
265 <220> FEATURE:  
266 <221> NAME/KEY: misc\_feature  
267 <222> LOCATION: (331)..(331)  
268 <223> OTHER INFORMATION: n equals a, t, g, or c  
271 <220> FEATURE:  
272 <221> NAME/KEY: misc\_feature  
273 <222> LOCATION: (337)..(337)  
274 <223> OTHER INFORMATION: n equals a, t, g, or c  
277 <220> FEATURE:  
278 <221> NAME/KEY: misc\_feature  
279 <222> LOCATION: (340)..(340)  
280 <223> OTHER INFORMATION: n equals a, t, g, or c  
283 <220> FEATURE:  
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285 <222> LOCATION: (348)..(348)  
286 <223> OTHER INFORMATION: n equals a, t, g, or c  
289 <220> FEATURE:  
290 <221> NAME/KEY: misc\_feature  
291 <222> LOCATION: (363)..(363)  
292 <223> OTHER INFORMATION: n equals a, t, g, or c  
295 <220> FEATURE:  
296 <221> NAME/KEY: misc\_feature  
297 <222> LOCATION: (365)..(365)  
298 <223> OTHER INFORMATION: n equals a, t, g, or c  
301 <220> FEATURE:  
302 <221> NAME/KEY: misc\_feature  
303 <222> LOCATION: (369)..(369)

## RAW SEQUENCE LISTING

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Input Set : A:\PF399.ST25.txt

Output Set: N:\CRF3\06102002\I115832C.raw

304 <223> OTHER INFORMATION: n equals a, t, g, or c  
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308 <221> NAME/KEY: misc\_feature  
309 <222> LOCATION: (375)..(376)  
310 <223> OTHER INFORMATION: n equals a, t, g, or c  
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315 <222> LOCATION: (386)..(386)  
316 <223> OTHER INFORMATION: n equals a, t, g, or c  
319 <220> FEATURE:  
320 <221> NAME/KEY: misc\_feature  
321 <222> LOCATION: (391)..(391)  
322 <223> OTHER INFORMATION: n equals a, t, g, or c  
325 <220> FEATURE:  
326 <221> NAME/KEY: misc\_feature  
327 <222> LOCATION: (393)..(393)  
328 <223> OTHER INFORMATION: n equals a, t, g, or c  
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332 <221> NAME/KEY: misc\_feature  
333 <222> LOCATION: (395)..(395)  
334 <223> OTHER INFORMATION: n equals a, t, g, or c  
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338 <221> NAME/KEY: misc\_feature  
339 <222> LOCATION: (398)..(398)  
340 <223> OTHER INFORMATION: n equals a, t, g, or c  
343 <220> FEATURE:  
344 <221> NAME/KEY: misc\_feature  
345 <222> LOCATION: (403)..(405)  
346 <223> OTHER INFORMATION: n equals a, t, g, or c  
349 <220> FEATURE:  
350 <221> NAME/KEY: misc\_feature  
351 <222> LOCATION: (407)..(407)  
352 <223> OTHER INFORMATION: n equals a, t, g, or c  
355 <220> FEATURE:  
356 <221> NAME/KEY: misc\_feature  
357 <222> LOCATION: (409)..(409)  
358 <223> OTHER INFORMATION: n equals a, t, g, or c  
361 <220> FEATURE:  
362 <221> NAME/KEY: misc\_feature  
363 <222> LOCATION: (413)..(413)  
364 <223> OTHER INFORMATION: n equals a, t, g, or c  
367 <220> FEATURE:  
368 <221> NAME/KEY: misc\_feature  
369 <222> LOCATION: (415)..(416)  
370 <223> OTHER INFORMATION: n equals a, t, g, or c  
373 <220> FEATURE:  
374 <221> NAME/KEY: misc\_feature  
375 <222> LOCATION: (420)..(420)  
376 <223> OTHER INFORMATION: n equals a, t, g, or c

RAW SEQUENCE LISTING ERROR SUMMARY  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; N Pos. 13,58,173,179,213,288,312,314,323,331,337,340,348,363,365 /  
Seq#:4; N Pos. 369,375,376,386,391,393,395,398,403,404,405,407,409,413,415  
Seq#:4; N Pos. 416,420,423,428,433,435,436,440,450,452,453,460,465,467,470  
Seq#:4; N Pos. 475,476,490,492